

Temperature Profiles for Various Wells
In the Kilauea East Rift Zone

Site: HGP-A

USGS No. 2883-01

Date of Log: 2/25/80

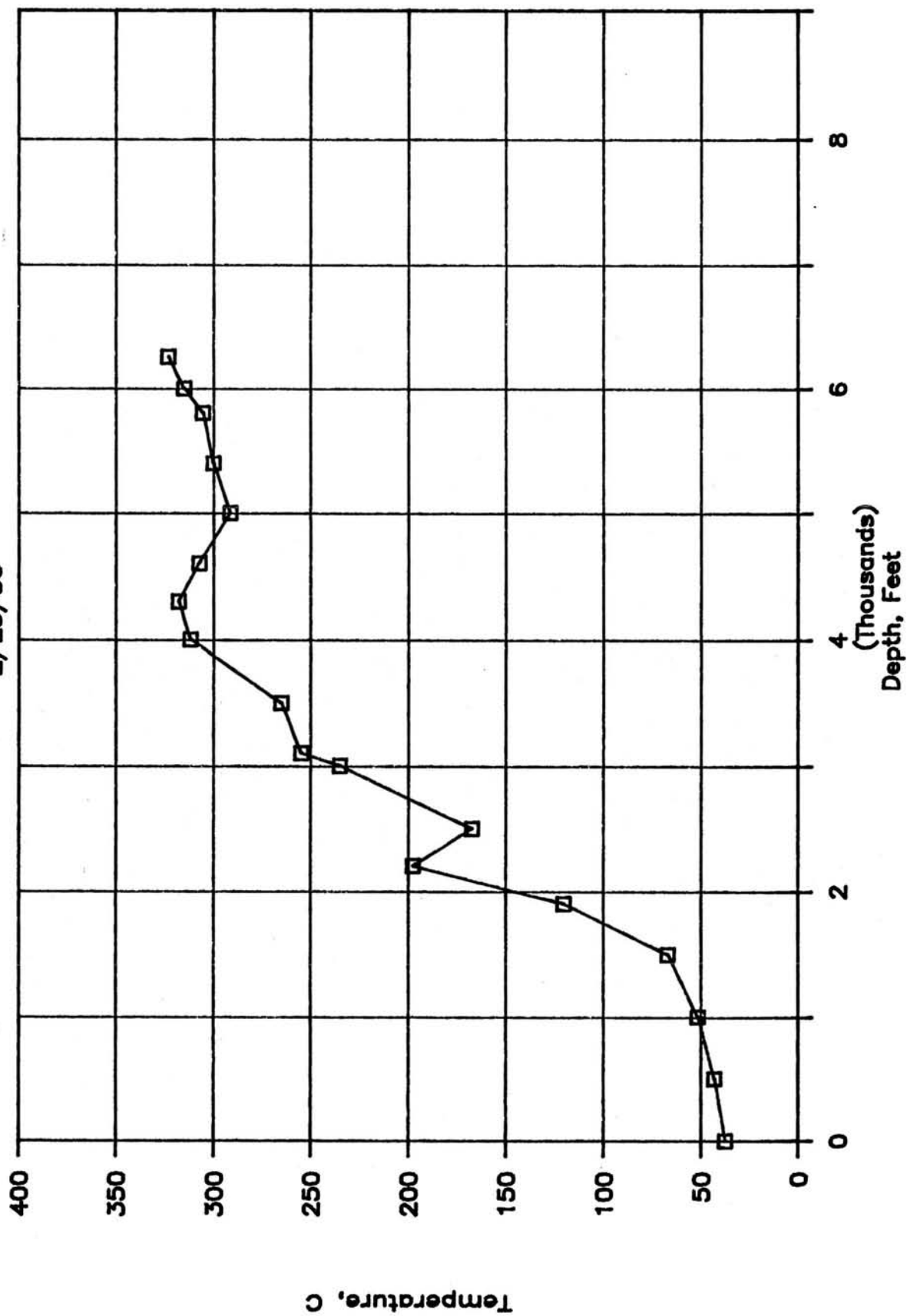
Casing Depth: 914.4 m, 3000 ft

Comments: 7 days after flashing

Depth, m	Depth, ft	Temp, F	Temp, C
0	0	99.63	37.57
152.4	500	109.78	43.21
304.9	1,000	125.08	51.71
457.3	1,500	153.00	67.22
579.3	1,900	248.74	120.41
670.7	2,200	387.95	197.75
762.2	2,500	333.39	167.44
914.6	3,000	455.45	235.25
945.1	3,100	491.18	255.10
1067.1	3,500	509.67	265.37
1219.5	4,000	593.55	311.97
1311.0	4,300	604.29	317.94
1402.4	4,600	585.18	307.32
1524.4	5,000	556.74	291.52
1646.3	5,400	572.29	300.16
1768.3	5,800	582.19	305.66
1829.3	6,000	599.31	315.17
1905.5	6,250	614.05	323.36

HGP-A

2/25/80

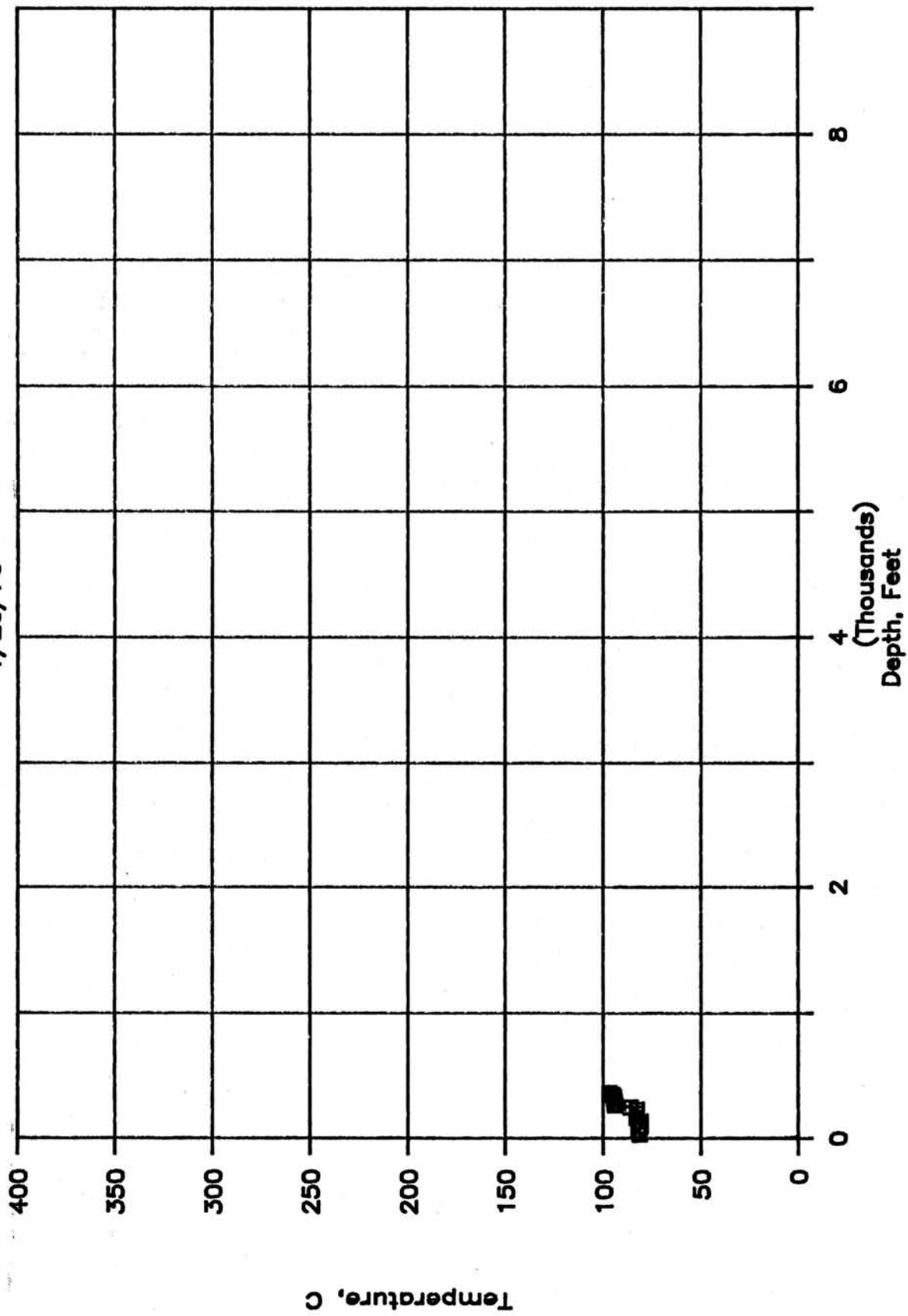


Site: Geothermal 2
USGS No. 2686-01
Date of Log: 1/20/76
Casing Depth: 33 m, 107 ft
Comments:

Depth, m	Depth, ft	Temp, F	Temp, C
10	32.8	178.52	81.40
20	65.6	179.60	82.00
30	98.4	177.62	80.90
40	131.2	177.62	80.90
50	164.1	181.22	82.90
60	196.9	181.40	83.00
70	229.7	181.22	82.90
75	246.1	186.98	86.10
80	262.5	201.20	94.00
85	278.9	201.38	94.10
90	295.3	201.38	94.10
95	311.7	202.46	94.70
100	328.1	202.46	94.70
105	344.5	203.36	95.20
110	360.9	206.24	96.80

Geothermal 2

1/20/76

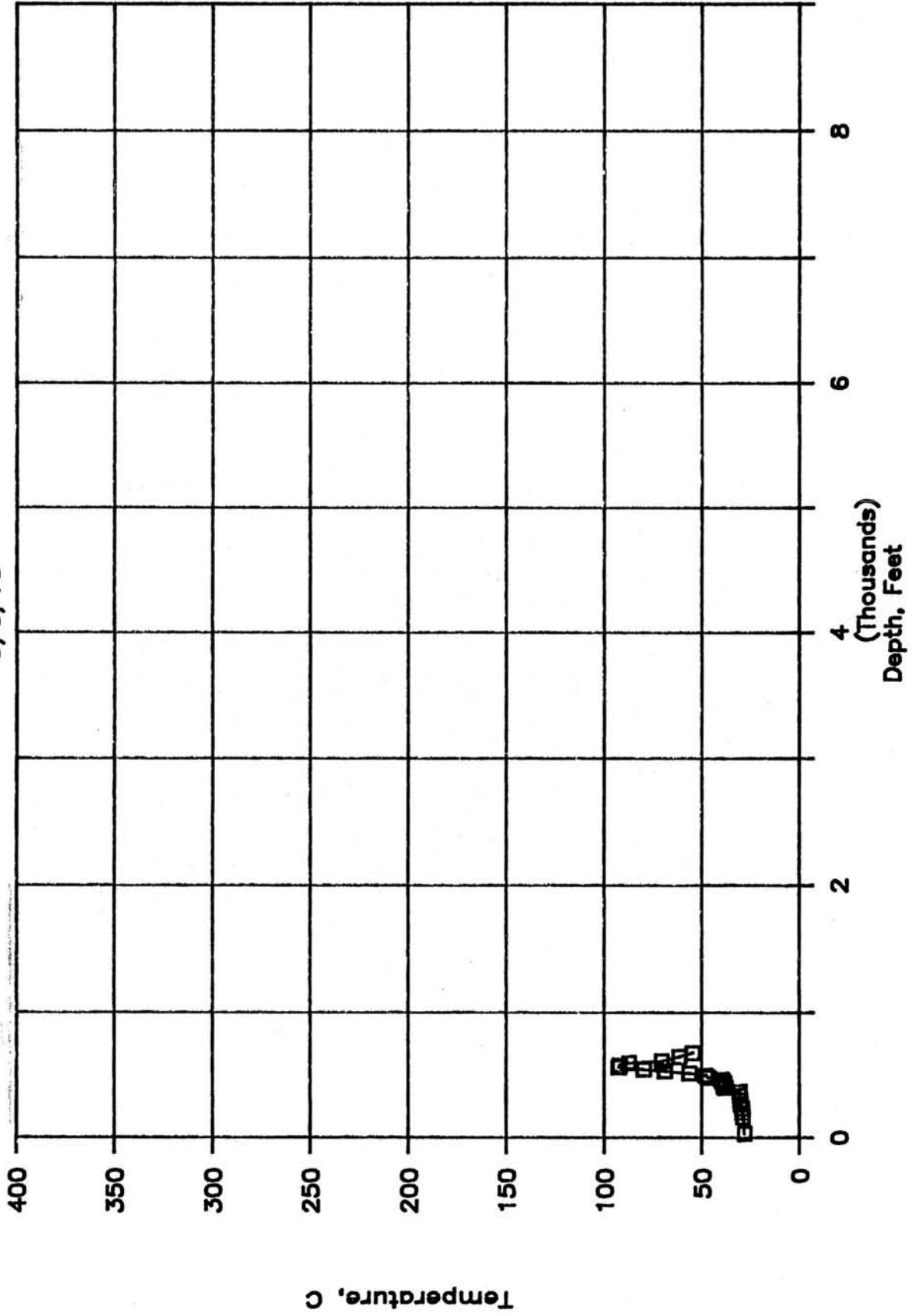


Site: Geothermal 3
USGS No. 2982-01
Date of Log: 9/3/75
Casing Depth:
Comments:

Depth, m	Depth, ft	Temp, F	Temp, C
10	32.8	82.76	28.20
50	164.1	84.38	29.10
60	196.9	84.56	29.20
70	229.7	85.10	29.50
80	262.5	86.00	30.00
90	295.3	86.54	30.30
100	328.1	87.08	30.60
110	360.9	87.44	30.80
120	393.7	100.22	37.90
125	410.1	101.48	38.60
130	426.5	101.66	38.70
135	442.9	102.74	39.30
140	459.3	103.82	39.90
145	475.7	116.06	46.70
150	492.2	118.58	48.10
155	508.6	133.70	56.50
160	525.0	156.02	68.90
165	541.4	175.46	79.70
170	557.8	198.50	92.50
175	574.2	197.78	92.10
180	590.6	189.32	87.40
185	607.0	158.90	70.50
195	639.8	142.88	61.60
205	672.6	130.82	54.90

Geothermal 3

9/3/75



Site: Kapoho (9-6)
USGS No. 3081-01
Date of Log: 1/19/76
Casing Depth:
Comments:

Depth, m	Depth, ft	Temp, F	Temp, C
87	285.4	93.74	34.30
89	292.0	94.10	34.50
91	298.6	94.28	34.60
93	305.1	94.28	34.60
95	311.7	94.46	34.70
97	318.3	94.28	34.60
99	324.8	94.28	34.60

Site: Malama Ki (9-9)
USGS No. 2783-01
Date of Log: 8/16/74
Casing Depth:
Comments:

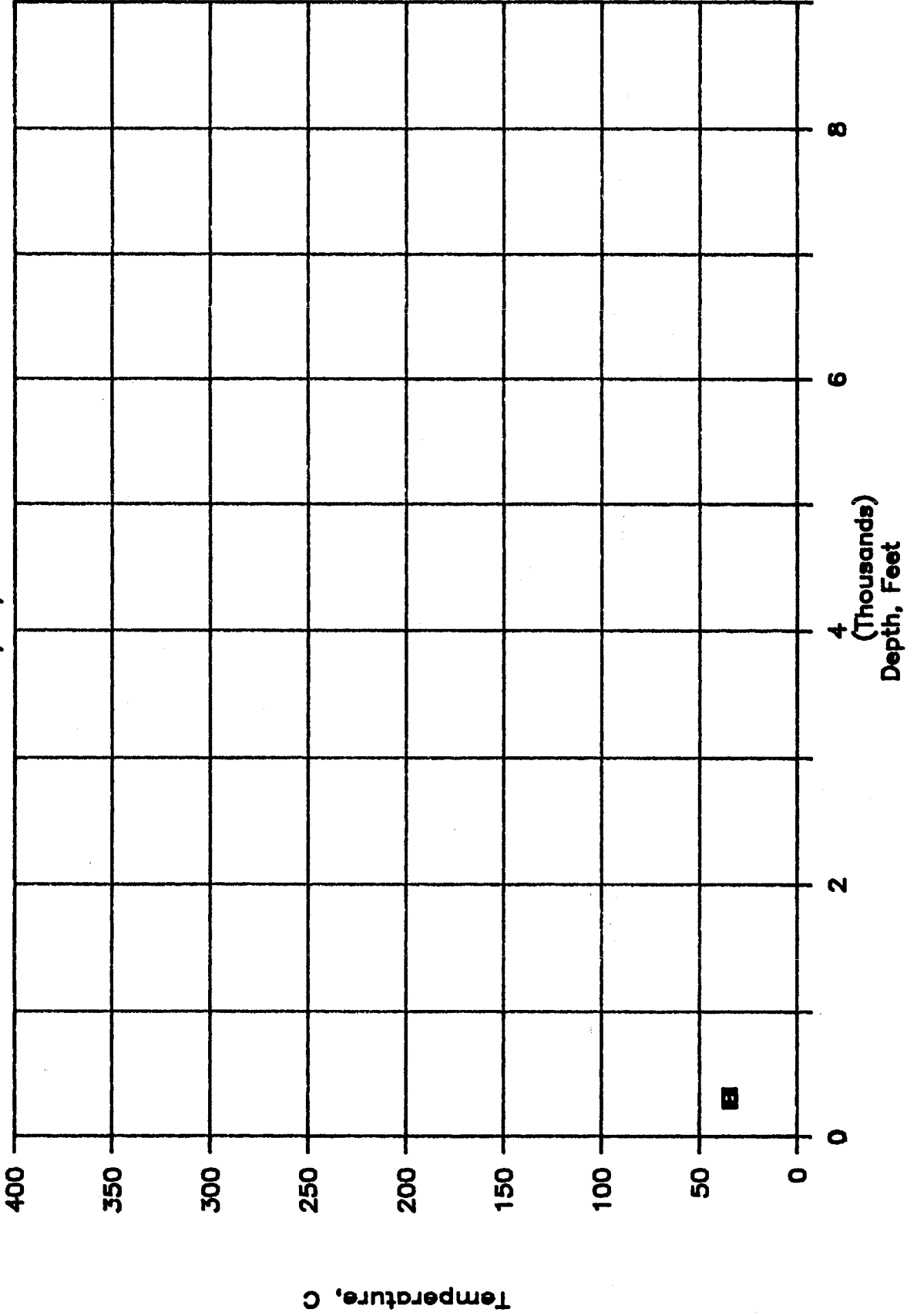
Depth, m	Depth, ft	Temp, F	Temp, C
69.2	227.0	77.72	25.40
74.2	243.5	77.90	25.50
84.2	276.3	128.84	53.80
89.2	292.7	130.82	54.90
94.2	309.1	127.40	53.00

Site: Pohoiki (Allison)
USGS No. 2881-01
Date of Log: 8/17/74
Casing Depth:
Comments:

Depth, m	Depth, ft	Temp, F	Temp, C
19.2	63.0	79.52	26.40
39.2	128.6	100.04	37.80
43.7	143.4	102.04	38.91

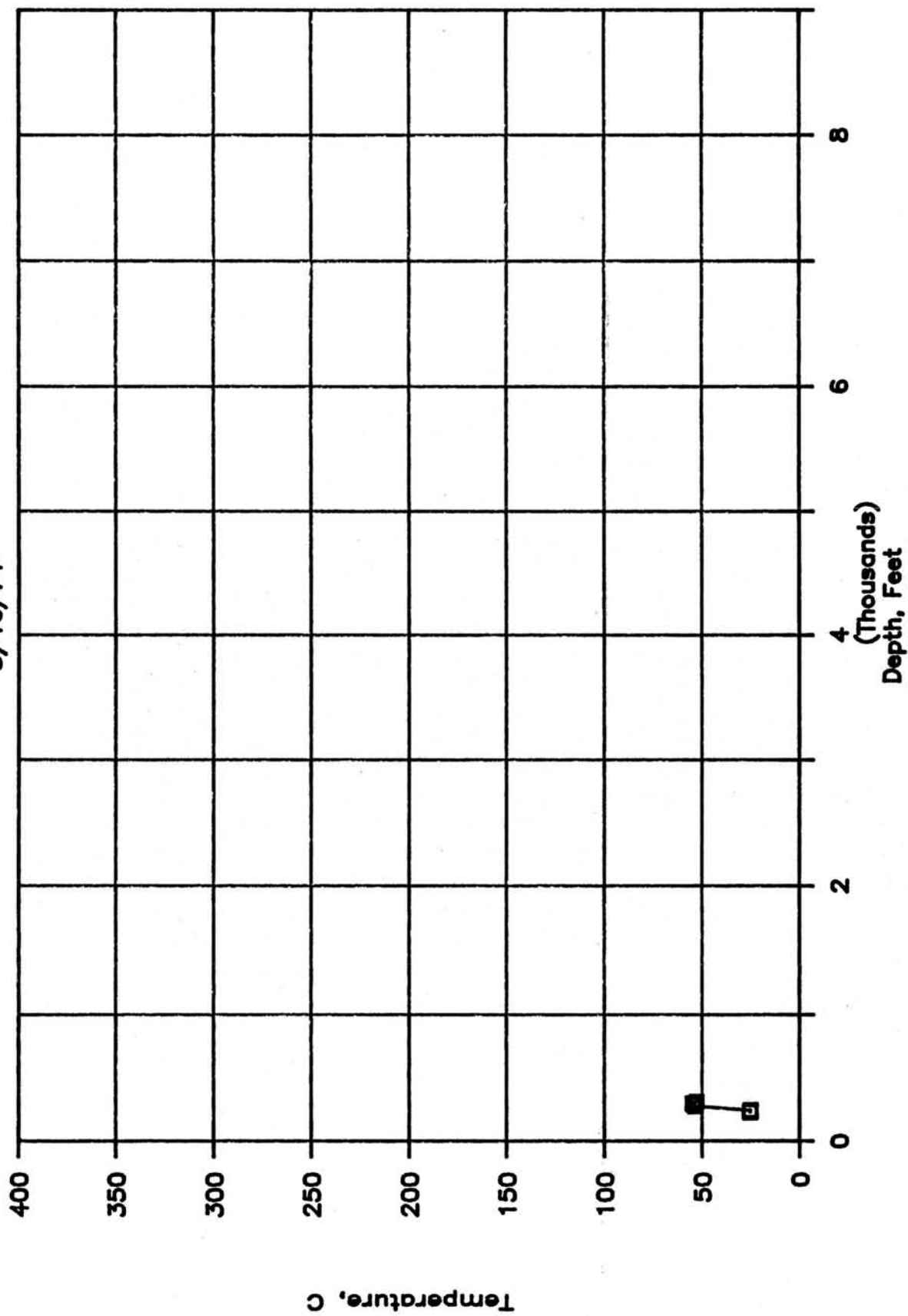
Kapoho (9-6)

1/19/76

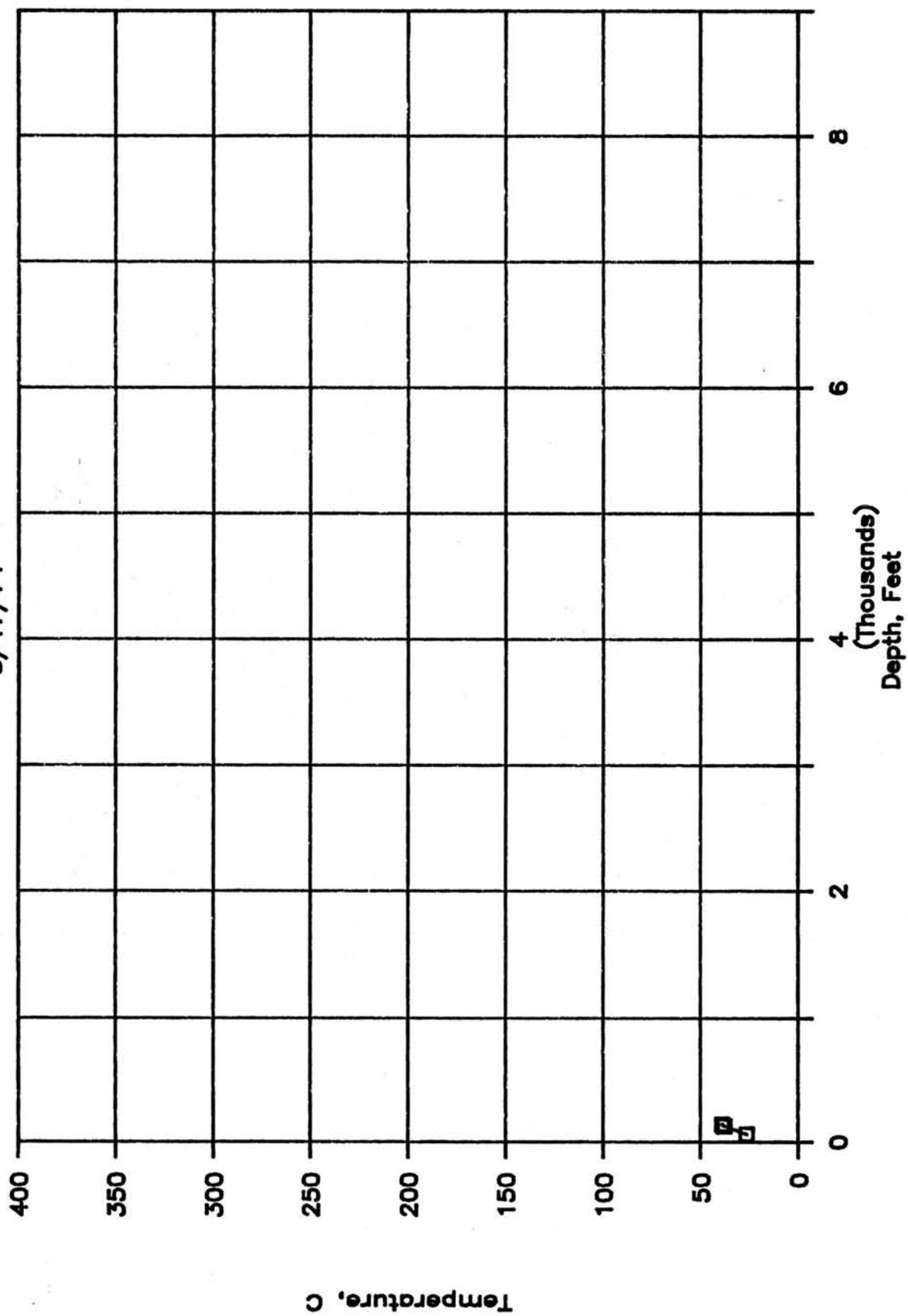


Malama Ki (9-9)

8/16/74



Allison (Pohoiki)
8/17/74



Site: Ashida 1

USGS No. 2685-01

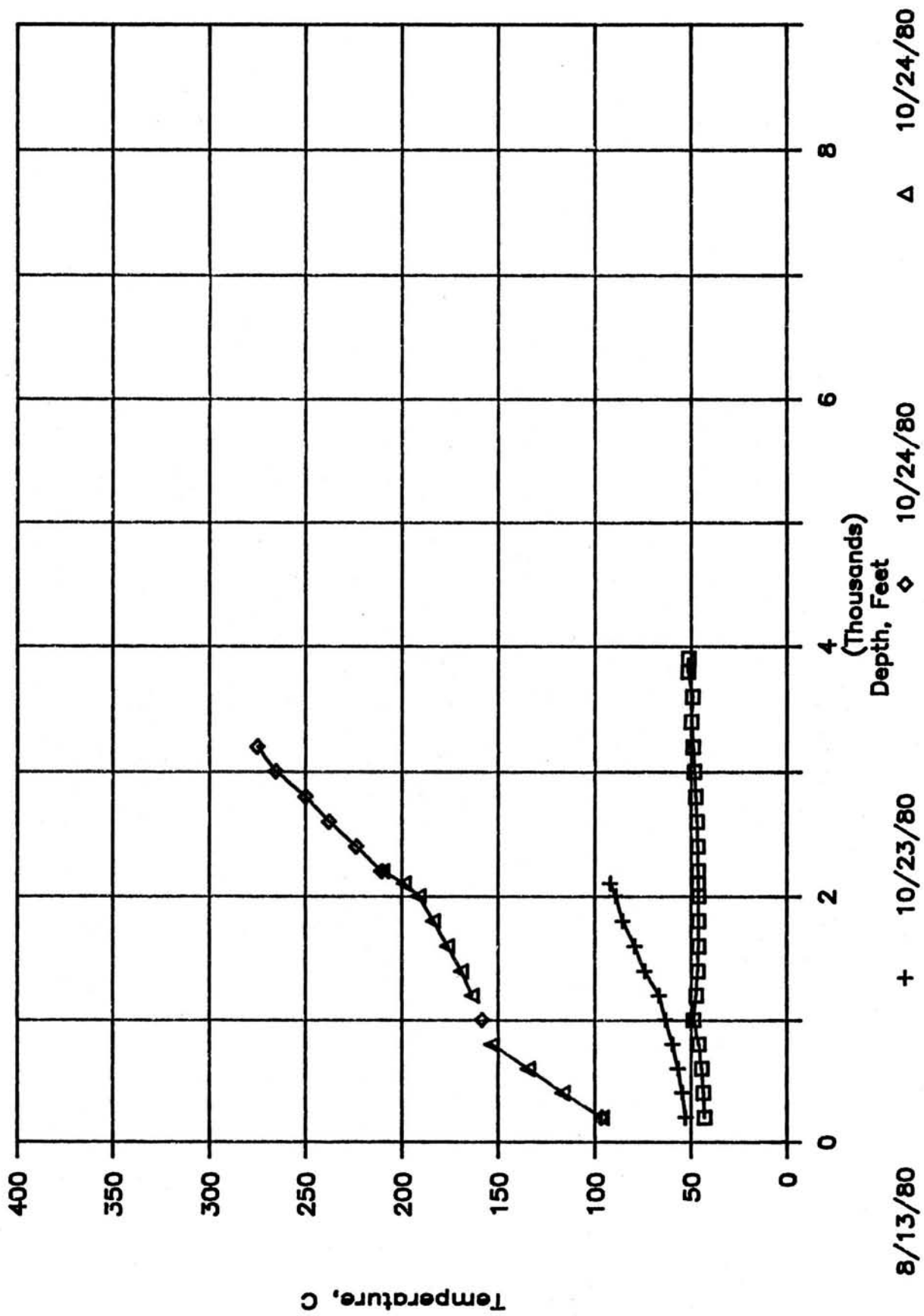
Date of Log: 8/13/80, 10/23/80, 10/24/80, 10/24/80

Casing Depth: 1195 m, 3920 ft

Comments: few hours; 208 hrs; 232 hrs; 239 hrs after drilling

Depth, m	Depth, ft	Temp, F	Temp, C	Temp, F	Temp, C	Temp, F	Temp, C	Temp, F	Temp, C
61.0	200	109.30	42.94						
122.0	400	110.40	43.56						
182.9	600	112.00	44.44						
243.9	800	114.80	46.00						
304.9	1,000	119.90	48.83						
365.9	1,200	117.20	47.33						
426.8	1,400	115.70	46.50						
487.8	1,600	114.80	46.00						
548.8	1,800	114.80	46.00						
609.8	2,000	115.00	46.11						
640.2	2,100	115.20	46.22						
670.7	2,200	115.40	46.33	127.50	53.06				
731.7	2,400	115.80	46.56	130.70	54.83				
792.7	2,600	116.70	47.06	134.90	57.17				
853.7	2,800	117.90	47.72	140.10	60.06				
914.6	3,000	118.90	48.28	146.30	63.50				
975.6	3,200	120.20	49.00	152.70	67.06				
1036.6	3,400	121.80	49.89	165.70	74.28				
1097.6	3,600	120.60	49.22	175.10	79.50				
1158.5	3,800	125.20	51.78	186.50	85.83				
1189.0	3,900	124.60	51.44	193.00	89.44				
1213.4	3,980			198.30	92.39				
1263.4	4,144					206.00	96.67	206.00	96.67
1401.8	4,598							242.40	116.89
1549.4	5,082							274.50	134.72
1697.0	5,566							308.50	153.61
1718.6	5,637					317.40	158.56		
1770.7	5,808							327.00	163.89
1829.3	6,000							337.10	169.50
1890.2	6,200							349.80	176.56
1951.2	6,400							363.10	183.94
2012.2	6,600							376.60	191.44
2073.2	6,800							390.50	199.17
2134.1	7,000					411.30	210.72	410.80	210.44
2195.1	7,200					435.00	223.89		
2256.1	7,400					460.20	237.89		
2317.1	7,600					482.10	250.06		
2378.0	7,800					510.40	265.78		
2416.8	7,927					527.60	275.33		

Ashida 1



Site: Kapoho State No. 1

USGS No. 2883-x

Date of Log: 12/4/81

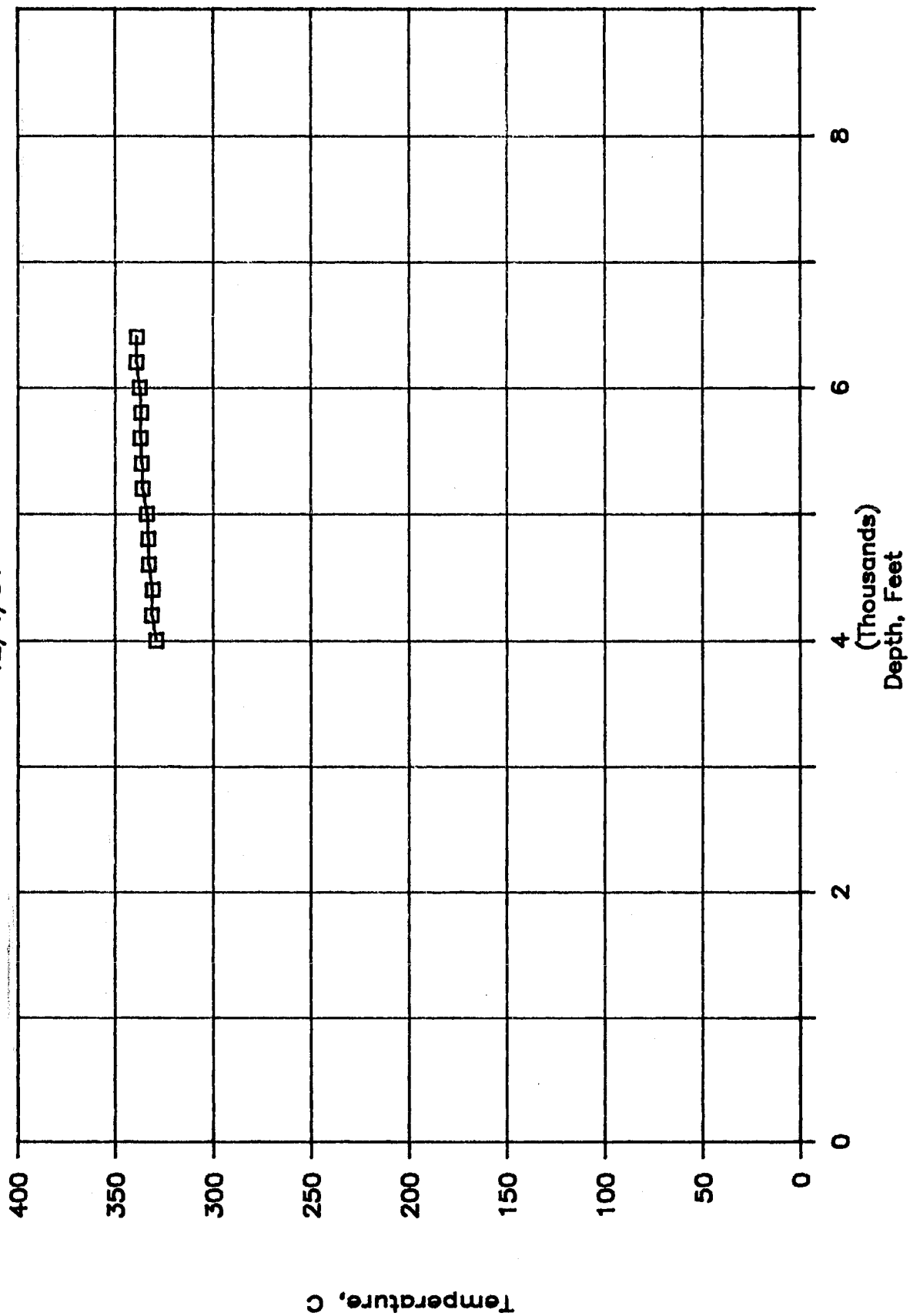
Casing Depth: 1283 m, 4207 ft

Comments:

Depth, m	Depth, ft	Temp, F	Temp, C
1219.5	4,000	624.40	329.11
1280.5	4,200	628.79	331.55
1341.5	4,400	627.78	330.99
1402.4	4,600	631.58	333.10
1463.4	4,800	631.98	333.32
1524.4	5,000	633.16	333.98
1585.4	5,200	636.94	336.08
1646.3	5,400	637.97	336.65
1707.3	5,600	639.34	337.41
1768.3	5,800	638.35	336.86
1829.3	6,000	639.93	337.74
1890.2	6,200	642.72	339.29
1951.2	6,400	642.52	339.18

Kapoho State 1

12/4/81



Site: Kapoho State No. 1A

USGS No. 2883-x

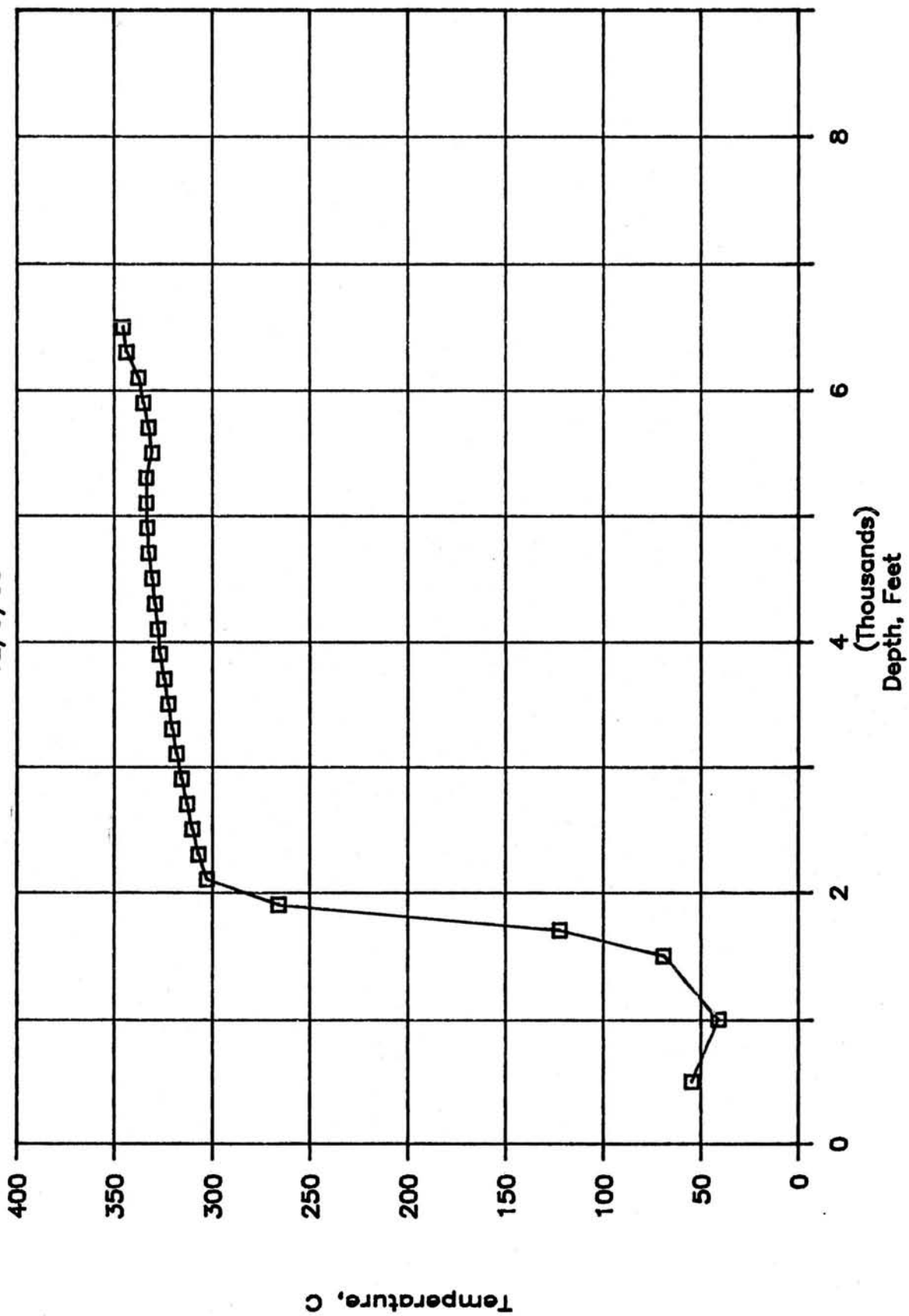
Date of Log: 12/9/85

Comments: 38.94 days after shut-in

Depth, m	Depth, ft	Temp, F	Temp, C
152.4	500	130.50	54.72
304.9	1,000	106.20	41.22
457.3	1,500	156.70	69.28
518.3	1,700	252.30	122.39
579.3	1,900	510.90	266.06
640.2	2,100	577.20	302.89
701.2	2,300	584.90	307.17
762.2	2,500	590.80	310.44
823.2	2,700	595.60	313.11
884.1	2,900	600.50	315.83
945.1	3,100	605.00	318.33
1006.1	3,300	609.10	320.61
1067.1	3,500	612.90	322.72
1128.0	3,700	616.30	324.61
1189.0	3,900	620.50	326.94
1250.0	4,100	622.30	327.94
1311.0	4,300	624.90	329.39
1372.0	4,500	627.50	330.83
1432.9	4,700	630.60	332.56
1493.9	4,900	631.90	333.28
1554.9	5,100	632.80	333.78
1615.9	5,300	632.80	333.78
1676.8	5,500	627.50	330.83
1737.8	5,700	630.60	332.56
1798.8	5,900	635.50	335.28
1859.8	6,100	640.00	337.78
1920.7	6,300	651.00	343.89
1980.8	6,497	654.70	345.94

Kapoho State No. 1A

12/9/85



Site: Kapoho State No. 2

USGS No. 2883-x

Date of Log: 4/29/82

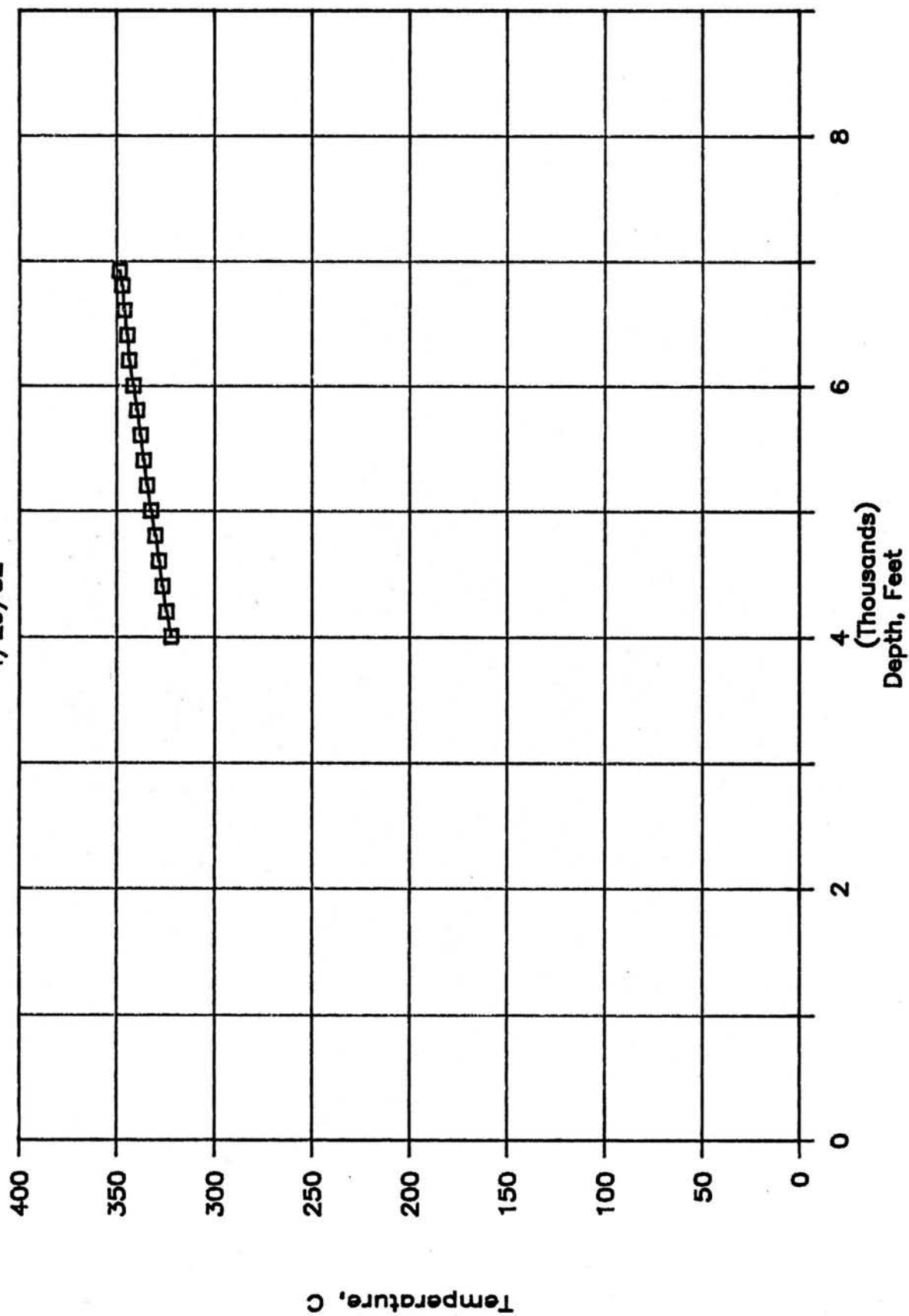
Casing Depth: 1283 m, 4209 ft

Comments:

Depth, m	Depth, ft	Temp, F	Temp, C
1219.5	4,000	611.96	322.20
1280.5	4,200	616.46	324.70
1341.5	4,400	620.24	326.80
1402.4	4,600	623.30	328.50
1463.4	4,800	626.72	330.40
1524.4	5,000	630.68	332.60
1585.4	5,200	634.46	334.70
1646.3	5,400	637.70	336.50
1707.3	5,600	640.40	338.00
1768.3	5,800	643.46	339.70
1829.3	6,000	646.88	341.60
1890.2	6,200	650.84	343.80
1951.2	6,400	652.46	344.70
2012.2	6,600	655.16	346.20
2073.2	6,800	657.32	347.40
2108.5	6,916	659.84	348.80

Kapoho State 2

4/29/82



Site: Lanipuna No. 1

USGS No. 2883-x

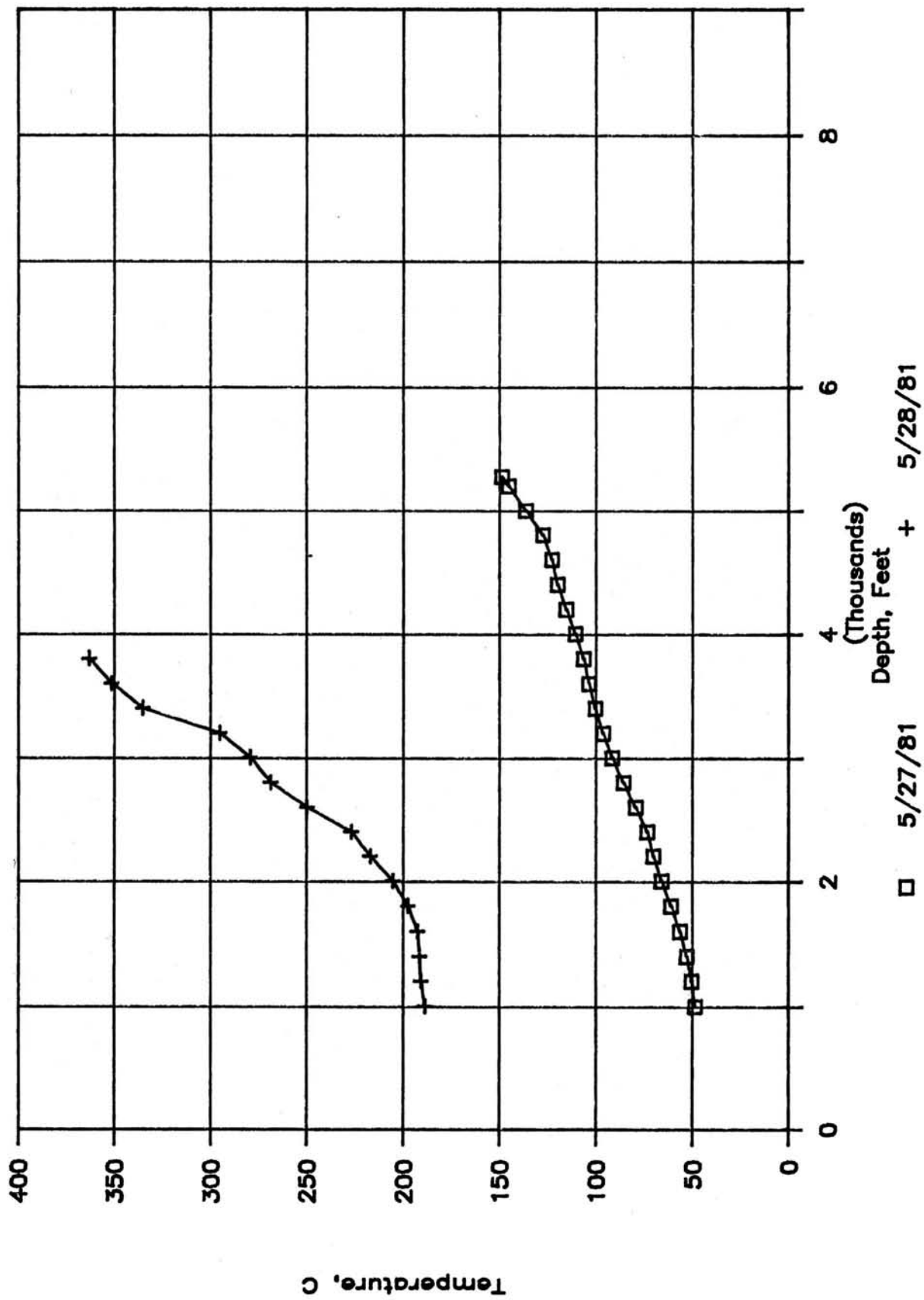
Date of Log: 5/27/81, 5/28/81

Casing Depth: 1073 m, 3520 ft

Comments: 16 hrs; 36 hrs: After replacing mud with water

Depth, m	Depth, ft	Temp, F	Temp, C	Temp, F	Temp, C
304.9	1,000	119.90	48.83		
365.9	1,200	123.20	50.67		
426.8	1,400	127.30	52.94		
487.8	1,600	133.90	56.61		
548.8	1,800	142.10	61.17		
609.8	2,000	151.10	66.17		
670.7	2,200	158.50	70.28		
731.7	2,400	164.40	73.56		
792.7	2,600	175.30	79.61		
853.7	2,800	186.50	85.83		
914.6	3,000	196.90	91.61		
975.6	3,200	205.40	96.33		
1036.6	3,400	213.00	100.56		
1097.6	3,600	218.90	103.83		
1158.5	3,800	223.70	106.50		
1219.5	4,000	231.30	110.72		
1280.5	4,200	240.10	115.61		
1341.5	4,400	248.00	120.00		
1402.4	4,600	253.30	122.94		
1463.4	4,800	261.90	127.72		
1524.4	5,000	277.60	136.44		
1585.4	5,200	293.80	145.44		
1608.2	5,275	300.20	149.00		
1707.3	5,600			372.00	188.89
1768.3	5,800			376.00	191.11
1832.3	6,010			377.00	191.67
1890.2	6,200			379.00	192.78
1951.2	6,400			388.00	197.78
2012.2	6,600			402.00	205.56
2073.2	6,800			423.00	217.22
2134.1	7,000			441.00	227.22
2195.1	7,200			482.00	250.00
2256.1	7,400			516.00	268.89
2317.1	7,600			535.00	279.44
2378.0	7,800			564.00	295.56
2439.0	8,000			636.00	335.56
2500.0	8,200			665.00	351.67
2557.9	8,390			686.00	363.33

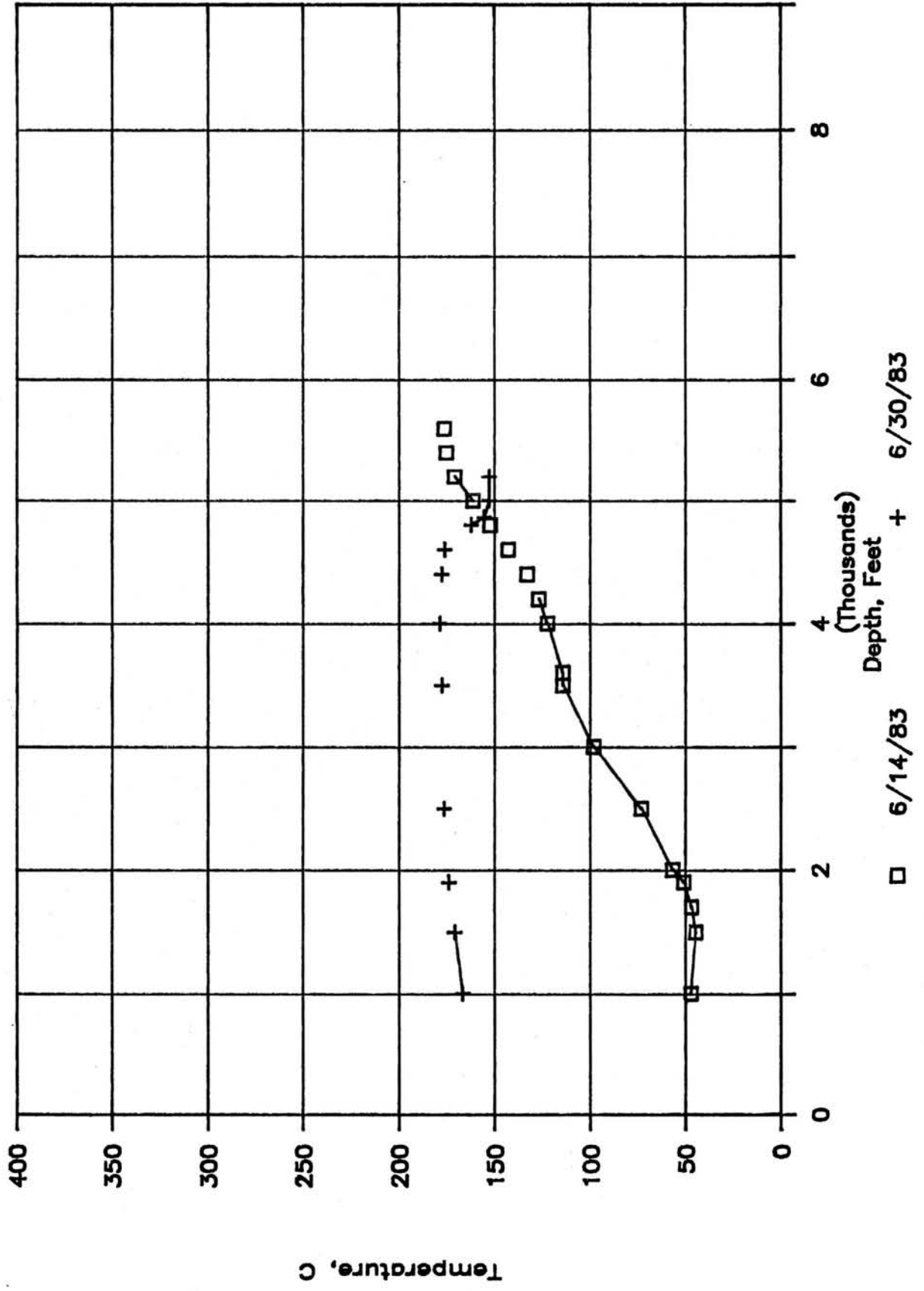
Lanipuna 1



Site: Lanipuna No. 1 (Sidetrack)
USGS No. 2883-x
Date of Log: 6/14/83, 6/30/83
Casing Depth: 1073 m, 3520 ft
Comments: 70 hrs: After circulation

Depth, m	Depth, ft	Temp, F	Temp, C	Temp, F	Temp, C
304.9	1,000	117.00	47.22		
457.3	1,500	112.50	44.72		
518.3	1,700	116.70	47.06		
579.3	1,900	124.00	51.11		
609.8	2,000	134.20	56.78		
762.2	2,500	163.90	73.28		
914.6	3,000	208.70	98.17		
1067.1	3,500	237.90	114.39		
1097.6	3,600	237.80	114.33	332.00	166.67
1219.5	4,000	252.40	122.44	340.00	171.11
1280.5	4,200	260.60	127.00		
1285.4	4,216			345.00	173.89
1341.5	4,400	271.40	133.00		
1351.2	4,432			350.00	176.67
1402.4	4,600	289.10	142.83		
1417.1	4,648			352.00	177.78
1463.4	4,800	306.40	152.44		
1482.9	4,864			354.00	178.89
1524.4	5,000	322.60	161.44		
1585.4	5,200	340.00	171.11		
1614.6	5,296			352.00	177.78
1646.3	5,400	347.60	175.33		
1680.5	5,512			349.00	176.11
1707.3	5,600	349.70	176.50		
1779.3	5,836			324.00	162.22
1878.0	6,160			312.00	155.56
1943.9	6,376			307.00	152.78
1967.4	6,453			307.00	152.78

Lanipuna 1, Sidetrack



Site: Lanipuna No. 6

USGS No.

Date of Log: 8/7/84

Casing Depth: 393 m, 1290 ft

Comments: 16 hrs rest after pumping

Depth, m	Depth, ft	Temp, F	Temp, C
304.9	1,000	100.00	37.78
457.3	1,500	137.80	58.78
609.8	2,000	187.30	86.28
762.2	2,500	227.00	108.33
914.6	3,000	261.20	127.33
1067.1	3,500	298.30	147.94
1128.0	3,700	312.40	155.78
1219.5	4,000	325.20	162.89
1280.5	4,200	320.90	160.50
1311.0	4,300	274.60	134.78
1318.6	4,325	251.70	122.06
1341.5	4,400	274.70	134.83
1372.0	4,500	271.90	133.28
1402.4	4,600	257.10	125.06
1432.9	4,700	255.00	123.89
1463.4	4,800	251.80	122.11
1493.9	4,900	250.70	121.50
1504.6	4,935	247.30	119.61

Lanipuna 6

8/7/84

